T. Prameela Kavya | Resume

Parijaat Nivas Room No:151, IIIT-Hyderabad, Gachibowli

+91-8332930991 • prameela.kavya@students.iiit.ac.in
web.iiit.ac.in/(tilda)prameela.kavya/

Third Year Undergraduate, Department of Computer Science and Engineering, International Institute of Information Technology, Hyderabad. Passionate about Computer science, with strong technical, and interpersonal skills for working in a team and successfully completing a project.

OBJECTIVE

To obtain a career that will allow myself to take full advantage of my passion and experience in software engineering and computer science.

Education

Academic Qualifications

- **IIIT Hyderabad** — **Gachibowli**
  B.Tech. in Computer Science and Engineering, CGPA: 8.6(5 semesters) — *2017(expected)*
- **Sri chaitanya educational Institute, Gudavalli** — **Vijayawada**
  Intermediate, 97.8(percentage) — *2011-2013*
- **Gowtham Concept School,Gudiwada** — **Vijayawada**
  S.S.C., 95.33(percentage) — *2010-2011*

Notable Projects

- **Research project(HONOURS) under Prof Praveen Paruchuri in center for Data Engineering (Ongoing)(May 14th, 2015):** *'Building an efficient neural network for games'*

  I am part of a two member team. We developed a Hand Written digits recognition and tic-tac-toe neural networks, implemented in Python using simple training based classification for hand written digits and reinforcement learning for tic-tac-toe. Now, working on building an efficient neural network for Backagammon using temporal difference learning and reinforcement learning techniques and thought of working on further improvisation using deep learning and pattern recognition techniques and building efficient self-learning agents for games using neural networks.
- **Semester project under Prof Avinash sharma October 1st ,2015:** *'Species and variety detection of Fruits and Vegetables from images'*

  •Developed a framework for recognising the fruits and vegetables and their species .
  •With the reference of a research paper by Shiv Ram Dubey and Anand Singh Jalal, GLM University.
  •Applied Pattern recognition techniques, improvised texture features and trying to improvise for a larger set of fruits and vegetables i.e., greater than the dataset provided in the research paper.

Minor Projects

- **Course Project under Prof Praveen Paruchuri in Artificial Intelligence** *'Artificial Agent for playing tic-tac toe'*

  • It's a project given to entire batch and our bots are played against each other in a tournament and my bot stood 4 th in the entire batch i.e., in around among 200 students.
  • Implemented in python using alpha-beta pruning technique and efficient probabilistic utility function for getting next best move.
- **Course Project under Prof Satrunjay Rawat in Computer Networks** *'Online File Sharing System with Collaborative Editing'*

  • Implemented file and folder sharing among two users, allowing uploading files to and downloading files from remote server.
  • Language used is C and used socket programming.

- **Course Project under Prof Raghu Reddy in System Software Analysis and Design** *'Online Site for managing resumes for a company'*
  - Built an online application for removing paper work of an HR and Manager of a company. To automate the procedure of selection of job applicants. Complete work flow from uploading of resume in the site and selection of applicants is automated except the interview part.
  - It's a saas(Software as a Service) application and is completed using Progress Rollbase.
- **Course Project under Prof P. Krishna Reddy in Database systems** *'Mini SQL Engine'*
  - Implemented some set of functionalities of SQL engine.
  - Programming language used for this is python.
- **Course Project under Prof Radha Krishna in Introduction to Databses** *'Online site for Bata showroom'*
  - Implemented everything from scratch i.e., right from drawing ER and converting it to EER and then finally to Relational schema and normalising it and then finally built a basic website (for the management of the database)where owner is given full permissions to insert, delete, update and see the products in the database and user is only given few permissions to view the data(Permission setting).
  - Languages used for this purpose are HTML, CSS, Javascript, PHP(Scripting language) and SQL(for managing database).
- **Course Project under Prof Suresh Purini in Operating Systems** *'Mini linux terminal'*
  - Implemented some commands of linux, almost everything other than piping .
  - Programming language used is C.
- **Course Projects under Prof Anoop. N in Graphics** *'Graphics'*
  - Using OpenGL2 a basic carrom game with scoring criteria and movement of striker was implemented and similarly top shooter game was implemented using OpenGL3 .
- **Course Project under Prof Raghu Reddy** *'Pacman game'*
  - A multi-level Pacman game with score is implemented using python2.7.
- **Course Project under Prof Vasudeva Varma in Information Retrieval and Extraction** *'Search engine for Wikipedia(Ongoing)'*

Technical and Personal skills

- **Programming Languages:** C, C++(Basic), Python, Matlab.
- **Scripting languages:** Javascript, PHP.
- **Other tools/Languages:**HTML, CSS(basic), Matlab, Eclipse(just familiar with), Bash shell scripting, ARM architecture(just familiar with), Bit Bucket, Git
- **Frameworks/Platforms:** Progress Rollbase, Facebook API(familiar with), Windows, Linux, Django, Angular JS(basic), Firebase (for the purpose of using as a database for Angular Js application, basic known)

Relevant Courses:

- C Programming, Digital Logic Processor, Information Technology Workshop I and II, Formal Methods, Computer Networks, Introduction to Databases, Computer System Organization, Operating Systems, Algorithms, Data Structures, Graphics, Artificial Intelligence, Digital Signal Analysis and Applications, Structured System Analysis and Design, Science I, Basic Electronic Circuits, Engineering Systems, Database Systems, Statistical Methods in Artificial Intelligence, Abstract Algebra, Game Theory for CS
- **(Ongoing)** Information Retrieval and Extraction, Optimization Methods, Science II.

Employment

- **Teaching Assistant** **IIIT**

  Worked as a Teaching assistant under Prof Vikram Pudi in International Institute Of Information Technology for the course Introduction to Databases for the semester MONSOON 2015.

References

- Up to 4 references available on request